



Headsets

As events continue to define the shape of the industry, especially in special operations and homeland defense, Roanwell engineers are setting the groundwork for a new generation of headsets that will benchmark the next frontier in flexible battlefield communications.

New headset designs are being developed to maximize mission performance in terms of noise attenuation, speech intelligibility, and user comfort so that headsets can be used for longer periods of time in ever more hostile environments.

Modular designs will allow improvements and technologies to be more easily added as they become available. Wearer fatigue will be substantially reduced through the use of new materials that will add greater comfort without restriction.

Wireless headset technology will immensely increase the mobility of ground forces in difficult terrain by allowing greater communication over greater distances among troops that are widely separated. Survivability will be further enhanced by improved water resistance and submersibility through the use of better coatings and membranes so that the wearer can count on continued performance even under the most adverse weather conditions.

These are only some of the new ideas that are driving the development of tomorrow's next generation headset, and Roanwell engineers are working to make them possible.

All Roanwell Headsets include:

- Noise Cancelling Microphones
- High Noise Protection
- Superior Quality and Performance
- Ruggedness and Durability
- Clear Speech
- Excellent Noise Attenuation
- High Intelligibility
- Adjustable Headbands
- Foam or Gel Earpieces
- Quick Easy Interconnect to Any Radio



[Eagle Series](#)



[Falcon Series](#)



[Hawk Series](#)



[Condor Series](#)



Handsets

Roanwell makes "G", "F", H-250, H-169 and custom style handsets, equipped with: carbon, dynamic or electret microphones. Microphones can be Confidencer type (noise cancelling). Other options include amplifiers and on-off/push-to-talk/push-to-mute switches, receivers with adjustable volume control, hearing compatible, etc. The Vocoder or Security Handsets are just samples of Roanwell's custom offering. All handsets are available in many colors.



[G Style](#)



[H-250 Style](#)



[F Style](#)



[H169/U](#)

Microphones

Roanwell makes: carbon, electret or dynamic with or without amplifier, microphones. Microphones can be Confidencer type (noise cancelling) for telephones . For Aviation – Roanwell offers FAA approved microphones with switchboxes or hanger brackets. Noise cancellation is an option for all microphones. A drop-in or wired-in or hand held or boom mounted is another option. For a modern or satellite transmission Roanwell designed the Accutone type microphone.



[Type 200 \(RN-1C\)](#)



[Type 204 Confidencer \(R\)](#)



[Type 213](#)



[Type 215 \(M-101/AIC\)](#)



[Type 216 \(M-87/AIC\)](#)



[Type 217 \(M-138/G\)](#)



[Type 222](#)



[Type 230 Confidencer](#)

Type 216 (M-87/AIC) Microphone

The Type 216 (M-87/AIC) is a close-talking, noise-canceling (18dB), boom-mounted microphone. Developed specifically for military use, this microphone is also available for commercial applications.

NSN:

5965-00-755-4643

Roanwell P/N:
 216-030-001-603 (Black)
 216-030-001-694 (Grey)
 216-030-001-640 (Olive Drab)

Conforms to:
 MIL-PRF-26542

Intended use: This is a noise-canceling dynamic microphone designed for use on a headband type headset at low altitudes or for use in a pressure type oxygen helmet, and at altitudes where the use of an oxygen helmet is required. The microphone is intended to provide communication under the noise conditions encountered in military and civilian aviation aircraft.

Specifications

Impedance: 4.0 ohms to 6.0 ohms.
 Resistive load: 5 ohms.
 Frequency Response: 200 – 6000 Hz
 Sensitivity at ground level: 34.0dB 40.98dB (above 1mV) with a sound pressure level input of 2.8 Pascals at 1 kHz,
 Sensitivity at 2500ft: Within ± 3 dB of initial ground level sensitivity
 Noise Canceling: 18 dB Noise Canceling

